

Access DB# 96219

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: TRUMAN, DVC Examiner #: 64332 Date: 6/9/03
Art Unit: 1711 Phone Number 303-2437 Serial Number: 10107411
Mail Box and Bldg/Room Location: 3/4229 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Letter one of Formulas (3) (4) or (5) with Formula (2).
Thanks

STAFF USE ONLY

Searcher: Ed

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: _____

Date Completed: 6-10-03Searcher Prep & Review Time: 5

Chemist Prep Time: _____

Online Time: 70

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) ✓ (2)Bibliographic ✓ (6-10-03)Litigation ✓

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN \$580.63

Dialog _____

Docket/Orbit _____

Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

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FILE 'REGISTRY' ENTERED AT 13:53:43 ON 10 JUN 2003
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L12 FILE 'LREGISTRY' ENTERED AT 10:02:54 ON 10 JUN 2003
STR

L13 FILE 'REGISTRY' ENTERED AT 10:07:26 ON 10 JUN 2003
50 S L12
L14 STR L12
L15 50 S L14
L16 16749 S L14 FUL
SAV TEM L16 TRU152/A

L17 FILE 'LREGISTRY' ENTERED AT 12:37:25 ON 10 JUN 2003
STR

L18 FILE 'REGISTRY' ENTERED AT 12:42:18 ON 10 JUN 2003
SCR 2043
L19 50 S L17
E 4-BROMO-1,8-NAPHTHALIC ANHYDRIDE/CN
L20 1 S E3
E "HEXAMETHYLENE-1,6-BIS(DICYANDIAMIDE)"/CN
E HEXAMETHYLENEDIAMINE/CN
L21 1 S E3
L22 7 S 81-86-7/CRN
L23 7447 S 124-09-4/CRN
L24 1 S L22 AND L23

L25 FILE 'HCAPLUS' ENTERED AT 12:48:35 ON 10 JUN 2003
1 S L24

L26 FILE 'LREGISTRY' ENTERED AT 12:50:16 ON 10 JUN 2003
0 S L17 AND L18

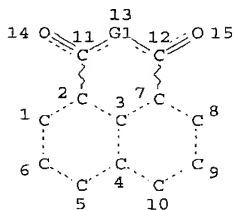
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50 S L17 AND L18
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SAV L28 TRU152A/A
L29 2 S L28 AND L16

L30 FILE 'HCAPLUS' ENTERED AT 13:04:24 ON 10 JUN 2003
1 S L29
L31 4830 S L16
L32 3424 S L28
L33 2 S L31 AND L32

FILE 'HCAPLUS' ENTERED AT 13:49:09 ON 10 JUN 2003
 L34 201 S (POLYM# OR POLYMER? OR COPOLYM# OR COPOLYMER? OR TERPOL
 L35 0 S L34 AND L31
 L36 2 S L25 OR L30 OR L33

FILE 'REGISTRY' ENTERED AT 13:53:43 ON 10 JUN 2003

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 L14 STR



VAR G1=N/O
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

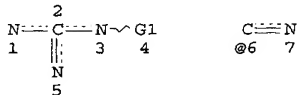
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STEREO ATTRIBUTES: NONE
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100.0% PROCESSED 18350 ITERATIONS
 SEARCH TIME: 00.00.01

16749 ANSWERS

=> d l28 que stat
 L17 STR



VAR G1=CN/6
 NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L18 SCR 2043
L28 2659 SEA FILE=REGISTRY SSS FUL L17 AND L18

100.0% PROCESSED 2682 ITERATIONS 2659 ANSWERS
SEARCH TIME: 00.00.01

=> file hcaplus
FILE 'HCAPLUS' ENTERED AT 13:54:29 ON 10 JUN 2003
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=> d 136 1-2 cbib abs hitstr hitind

L36 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS
2001:185503 Document No. 134:218307 Antimicrobial polymers containing chromophoric markers.. Collins, Andrew Neale; Bothwell, Brian David; Mcpherson, Graham John (Avecia Ltd., UK). PCT Int. Appl. WO 2001017356 A1 20010315, 35 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-GB2864 20000725. PRIORITY: GB 1999-20774 19990903.

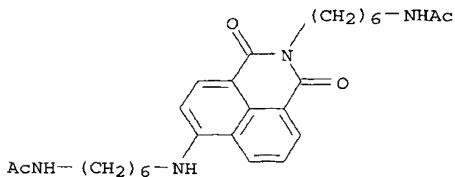
AB An antimicrobial polymer is given, which carries a covalently-bound chromophoric marker. The antimicrobial polymer is preferably a cationic antimicrobial polymer, esp. a poly(hexamethylenebiguanide). Also claimed are compns. contg. the antimicrobial polymer, a method for treating a medium using the antimicrobial polymer and a method for detecting the antimicrobial polymer in a medium. The prepn. of chromophoric markers, such as N-(-aminohexyl)-4-(6-aminohexylamino)-1,8-naphthalimide, is given.

IT 329710-62-5P
(intermediate in prepn. of chromophoric marker for antimicrobial polymers)

RN 329710-62-5 HCAPLUS

CN Acetamide, N-[6-[6-[[6-(acetylamino)hexyl]amino]-1,3-dioxo-1H-

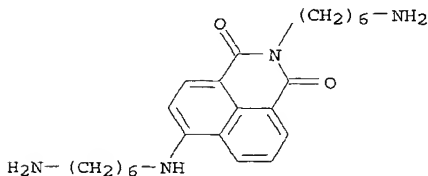
benz[de]isoquinolin-2(3H)-yl]hexyl]- (9CI) (CA INDEX NAME)



IT 329710-65-8P 329710-66-9DP, reaction product with chromophoric markers (prepn. as antimicrobial polymer contg. chromophoric markers.)
 RN 329710-65-8 HCAPLUS
 CN Guanidine, N,N''''-1,6-hexanediylbis[N'-cyano-, polymer with 2-(6-aminohexyl)-6-[(6-aminohexyl)aminol]-1H-benz[de]isoquinoline-1,3(2H)-dione and 1,6-hexanediamine dihydrochloride (9CI) (CA INDEX NAME)

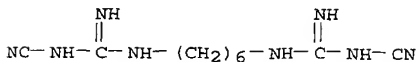
CM 1

CRN 329710-61-4
 CMF C24 H34 N4 O2



CM 2

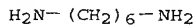
CRN 15894-70-9
 CMF C10 H18 N8



CM 3

CRN 6055-52-3

CMF C6 H16 N2 . 2 Cl H



2 HCl

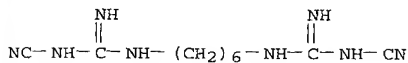
RN 329710-66-9 HCAPLUS

CN Guanidine, N,N'''-1,6-hexanediylbis[N'-cyano-, polymer with 6-bromo-1H,3H-naphtho[1,8-cd]pyran-1,3-dione and 1,6-hexanediamine dihydrochloride (9CI) (CA INDEX NAME)

CM 1

CRN 15894-70-9

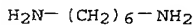
CMF C10 H18 N8



CM 2

CRN 6055-52-3

CMF C6 H16 N2 . 2 Cl H

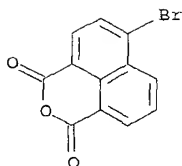


● 2 HCl

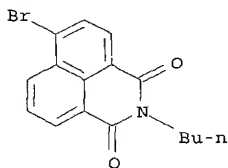
CM 3

CRN 81-86-7

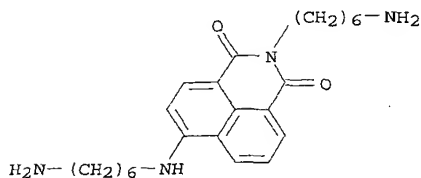
CMF C12 H5 Br O3



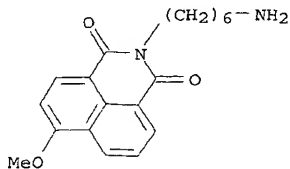
IT 92874-17-4P 329710-61-4P 329710-63-6DP,
Wang resin deriv.
(prepn. as chromophoric marker for antimicrobial polymers)
RN 92874-17-4 HCAPLUS
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 6-bromo-2-butyl- (9CI) (CA
INDEX NAME)



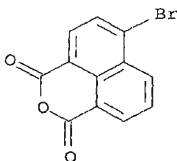
RN 329710-61-4 HCAPLUS
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-(6-aminohexyl)-6-[(6-
aminohexyl)amino]- (9CI) (CA INDEX NAME)



RN 329710-63-6 HCAPLUS
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-(6-aminohexyl)-6-methoxy-
(9CI) (CA INDEX NAME)



IT 81-86-7, 4-Bromo-1,8-naphthalic anhydride
(reactant in prepn. of chromophoric marker for antimicrobial polymers)
RN 81-86-7 HCAPLUS
CN 1H,3H-Naphtho[1,8-cd]pyran-1,3-dione, 6-bromo- (9CI) (CA INDEX NAME)

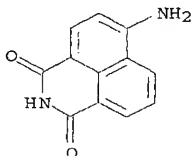


IC ICM A01N047-44
ICS A01N033-12; C09B057-00
CC 5-2 (Agrochemical Bioregulators)
Section cross-reference(s): 38, 41
IT 49631-88-1P 329710-62-5P
(intermediate in prepn. of chromophoric marker for antimicrobial polymers)
IT 329710-65-8P 329710-66-9DP, reaction product with chromophoric markers
(prepn. as antimicrobial polymer contg. chromophoric markers.)
IT 92874-17-4P 329710-61-4P 329710-63-6DP, Wang resin deriv. 329710-64-7DP, Wang resin deriv. 329748-60-9DP, Wang resin deriv.
(prepn. as chromophoric marker for antimicrobial polymers)
IT 81-86-7, 4-Bromo-1,8-naphthalic anhydride 124-09-4, Hexamethylenediamine, reactions
(reactant in prepn. of chromophoric marker for antimicrobial polymers)

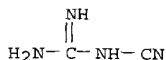
L36 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS
2000:694433 Document No. 133:267982 UV-absorbing thermosetting resin compositions, prepreps, laminates, and printed circuit boards.

Takata, Kosuke; Murai, Akira; Oze, Masahisa (Hitachi Chemical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 2000273314 A2 20001003, 4 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1999-78681 19990323.

- AB The compns. contain 4-aminonaphthalimide (I) N,N'-dialkyl derivs. and 4-methyl-7-(diethylamino)coumarin (II). Thus, brominated epoxy resin (YDB 400) 100, dicyandiamide 3, 2-ethyl-4-methylimidazole 0.17, I deriv. (Neosuper HR 60) 0.1, and II (Neosuper HR 1) 0.3 part were dissolved in ethylene glycol mono-Me ether and DMF to give a varnish, which was impregnated into a glass cloth, dried, sandwiched with Cu foils, and hot-pressed to give a Cu-clad laminate. Simultaneous exposure was carried out in resist pattern formation on both sides of a double-sided printed circuit board prepd. from the laminate.
- IT 1742-95-6D, 4-Aminonaphthalimide, derivs.
(UV absorber; UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)
- RN 1742-95-6 HCAPLUS
- CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 6-amino- (9CI) (CA INDEX NAME)



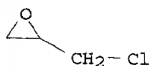
- IT 134096-54-1P
(UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)
- RN 134096-54-1 HCAPLUS
- CN Guanidine, cyano-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[2,6-dibromophenol] (9CI) (CA INDEX NAME)
- CM 1
- CRN 461-58-5
- CMF C2 H4 N4



CM 2

CRN 106-89-8

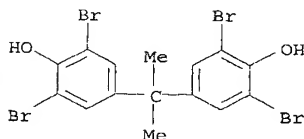
CMF C3 H5 Cl O



CM 3

CRN 79-94-7

CMF Cl5 H12 Br4 O2



IC ICM C08L101-00

ICS B32B015-08; C08J005-24; C08K005-1545; C08K005-3432; C08L063-00;
H05K001-03

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 76

IT 1742-95-6D, 4-Aminonaphthalimide, derivs. 298211-33-3,
Neo-Super HR 60

(UV absorber; UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)

IT 134096-54-1P

(UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)